

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/010280 A1

(51) International Patent Classification⁷: **G06F 3/14**

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(21) International Application Number:
PCT/IB2003/003102

(22) International Filing Date: 1 July 2003 (01.07.2003)

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(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02078012.8 24 July 2002 (24.07.2002) EP

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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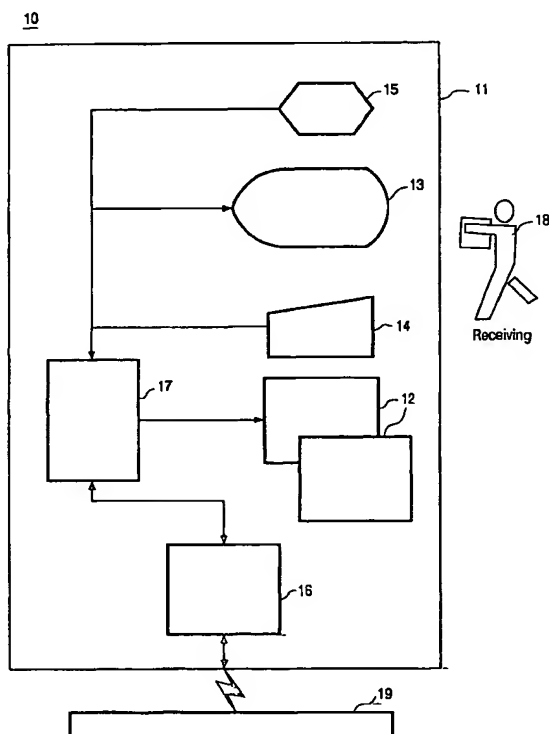
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

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[Continued on next page]

(54) Title: **VARIABLE SIZE MULTI-PANE DISPLAY**



(57) Abstract: This invention relates to method of presenting content by means of a display unit (10) connected or attached to a media device (23 - 26). The invention further relates to a display unit for presenting content. The media device may be a personal computer, a television, a camera, a video camera, a game unit or a mobile unit. Said method includes the steps of: connecting or attaching the display unit to a first location relative to a media device; determining, by the media device, the first location of the display unit; determining, by the media device, a first information item representing content, wherein said first information item is dependent on said location and a content presented on the media device; transferring, by the media device, the first information item to the display unit; and receiving and presenting (i.e. displaying and/ or playing back) said first information item on the display unit. Said first information item may include plain text, pictures, frames, video, word-processor data, spread-sheet data, game figures, game elements, text or picture messages, or any combination thereof. Said step of determining the first location of the display unit includes the steps of: transmitting, by at least one transmitter located on the display unit, at least one signal identifying said display unit; receiving, by at least one sensor (41) located on the media device, at least one identifying signal; and determining, by the media device, the first location based on at least one identifying signal. This allows content to be displayed and / or played back on a connected or attached display unit located relative to a media device, and where said content can intuitively and indirectly be determined by the user.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Declaration under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG,

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- with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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INTERNATIONAL SEARCH REPORT

PCT/13/03102

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F3/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 5 682 529 A (HENDRY IAN ET AL) 28 October 1997 (1997-10-28) abstract; figures 1,2A-2D,4A,4B column 7, line 51 -column 8, line 58 column 3, line 29 -column 4, line 25 column 5, line 1 -column 7, line 23 --- | 1-7 |
| X | EP 1 202 162 A (HEWLETT PACKARD CO) 2 May 2002 (2002-05-02) paragraphs '0019!,'0020!; figures 1,13 --- | 1-7 |
| X | EP 1 091 287 A (SUN MICROSYSTEMS INC) 11 April 2001 (2001-04-11) abstract; figures 1,2 paragraphs '0006!-'0017! ----- | 1,3-7 |

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Date of the actual completion of the international search

12 November 2003

Date of mailing of the international search report

26/11/2003

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INTERNATIONAL SEARCH REPORT

PCT/T 3/03102

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| US 5682529 | A | 28-10-1997 | AU 1991895 A | 03-10-1995 |
| | | | EP 0750762 A1 | 02-01-1997 |
| | | | JP 10504119 T | 14-04-1998 |
| | | | WO 9525299 A1 | 21-09-1995 |
| <hr/> | | | | |
| EP 1202162 | A | 02-05-2002 | CN 1350227 A | 22-05-2002 |
| | | | EP 1202162 A1 | 02-05-2002 |
| | | | JP 2002196741 A | 12-07-2002 |
| <hr/> | | | | |
| EP 1091287 | A | 11-04-2001 | EP 1091287 A2 | 11-04-2001 |
| | | | EP 0666531 A2 | 09-08-1995 |
| | | | JP 8063327 A | 08-03-1996 |
| | | | US 5969696 A | 19-10-1999 |
| <hr/> | | | | |